AMENDMENTS TO THE CLAIMS

Claims 1-44   (Canceled)

45.   (Previously Presented) A method for determining an identity of a sampled work, said method comprising:

receiving data of a sampled work;

segmenting said data of said sampled work into a plurality of segments, said segments having predetermined a predetermined segment size and a predetermined hop size;

creating a plurality of signatures wherein each of plurality of signatures is a signature of one of said plurality of segments and wherein each of said plurality of signatures is of said predetermined segment size and said predetermined hop size;

comparing said plurality of signatures of said sampled work to a plurality of reference signatures of each of a plurality of reference works wherein said plurality of reference signatures of each of said plurality of reference works are created from a plurality of segments of said each of said plurality of reference works having a known segment size and a known hop size and said predetermined hop size of each of said plurality of segment of said sampled work is less than said known hop size; and

determining an identity of said sample work responsive to said comparison of said plurality of signatures of said sampled work to said signatures of said plurality of reference works.

46. (Previously Presented) The method of claim 45, wherein said act of creating a signature of said sampled work compromises calculating segment feature vectors for each segment of said sampled work.

47. (Previously Presented) The method of claim 45, wherein said act of creating a signature includes calculating a plurality of MFCCs for each said segment.

48. (Previously Presented) The method of claim 45, wherein said act of creating a signature includes calculating a plurality of acoustical features from the group consisting of at least one of loudness, pitch, brightness, bandwidth, spectrum and MFCC coefficients for each said segment.

49. (Previously Presented) The method of claim 45, wherein said sampled work signature comprises a plurality of segments and an identification portion.

50. (Previously Presented) The method of claim 45, wherein said plurality of segments of said sampled work signature comprise a segment size of approximately 0.5 to 3 seconds.

51. (Previously Presented) The method of claim 50, wherein said plurality of segments of said sampled work signature comprise a hop size of less than 50% of the segment size.

52. (Previously Presented) The method of claim 50, wherein said plurality of segments of said sampled work signature comprise a hop size of approximately 0.1 seconds.

53. (Previously Presented) An apparatus that determines an identity of a sampled work, said apparatus comprising:

creating a plurality of signatures wherein each of plurality of signatures is a signature of one of said plurality of segments;

comparing said plurality of signatures of said sampled work to a plurality of reference signatures of each of a plurality of reference works wherein said plurality of reference signatures of each of said plurality of reference works are created from a plurality of segments of said each of said plurality of reference works having a known segment size and a known hop size and said predetermined hop size of each of said plurality of segment of said sampled work is less than said known hop size

circuitry configured to receive data of a sampled work;

circuitry configured to segment said data of said sampled work into a plurality of segments wherein each of said segments has predetermined segment size and a predetermined hop size;

circuitry configured to create a plurality of signatures of said sampled work based upon said plurality of segments and wherein each of said plurality of signatures is of said predetermined segment size and said predetermined hop size;

circuitry configured to compare said plurality of signatures of said sampled work to a plurality of signatures of for each of a plurality of reference works created from a plurality of sample segments of each of said plurality of reference works, each of said plurality of signatures of each of said plurality of reference works having a known

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segment size and a known hop size wherein said predetermined hop size of said each of said plurality of signatures of said sampled work is less than said known hop size; and

circuitry configured to determine said sampled work is one of said reference works based upon said comparison.

54. (Previously Presented) The apparatus of claim 53, wherein said circuitry configured to create a signature of said sampled work compromises circuitry configured to calculate segment feature vectors for each of said plurality of segments of said sampled work.

55. (Previously Presented) The apparatus of claim 53, wherein said circuitry configured to create a signature includes calculating a plurality of MFCCs for each said segment.

56. (Previously Presented) The apparatus of claim 53, wherein said circuitry configured to create a signature includes circuitry configured to calculate one of plurality of acoustical features selected from a group consisting of loudness, pitch, brightness, bandwidth, spectrum and MFCC coefficients for each of said plurality of segments of said sampled works.

57. (Previously Presented) The apparatus of claim 53, wherein said sampled work signature comprises a plurality of segments and an identification portion.

58.   (Previously Presented) The apparatus of claim 53, wherein said plurality of segments of said sampled work comprise said predetermined segment size of approximately 0.5 to 3 seconds.

59.   (Previously Presented) The apparatus of claim 58, wherein said predetermined hop size of said plurality of segments of said sampled work signature is less than 50% of the segment size.

60.   (Previously Presented) The apparatus of claim 58, wherein said predetermined hop size of each of said plurality of segments of said sampled work signature is approximately 0.1 seconds.